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* Non-contractual image

7000 Series

42PFL7404D/78

52PFL7404D/78

5000 Series

32PFL5604D/78

42PFL5604D/78

47PFL5604D/78

EN User manual

PHILIPS

Contents

1	Notice	2
2	Important	3
3	Your product	5
	Product overview	5
4	Use your product	7
	Switch your TV on/off or to standby	7
	Switch channels	7
	Watch connected devices	7
	Adjust TV volume	8
5	Use more of your product	9
	Access TV menus	9
	Change picture and sound settings	9
	Create and use lists of favorite channels	12
	Hide and show a channel	12
	Use the Electronic Program Guide	12
	Use timers	13
	Use child control and rating locks	13
	Use the TV clock	14
	View photos, play music and watch video from a USB storage device	14
	Update the TV software	15
	Change TV preferences	15
	Start a TV demo	15
	Reset the TV to factory settings	15
6	Install channels	17
	Automatically install channels	17
	Rename channels	17
7	Connect devices	18
	Back connectors	18
	Side connectors	19
	Connect a computer	19
	Use Philips EasyLink	20
	Use a Kensington lock	22

8	Product information	23
9	Troubleshooting	25
10	Index	27

1 Notice

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Pixel characteristics

This LCD product has a high number of color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

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2 Important

Read and understand all instructions before you use your TV. If damage is caused by failure to follow instructions, the warranty does not apply.

Safety

Risk of electric shock or fire!

- Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilt on or into the TV, disconnect the TV from the power outlet immediately. Contact Philips Consumer Care to have the TV checked before use.
- Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight. To prevent the spread of fire, keep candles or other flames away from the TV, remote control and batteries at all times.



- Never insert objects into the ventilation slots or other openings on the TV.
- When the TV is swiveled ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.

Risk of short circuit or fire!

- Never expose the remote control or batteries to rain, water or excessive heat.
- Avoid force coming onto power plugs. Loose power plugs can cause arcing or fire.

Risk of injury or damage to the TV!

- Two people are required to lift and carry a TV that weighs more than 55 lbs.

- When stand mounting the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the combined weight of the TV and the stand.
- When wall mounting the TV, use only a wall mount that can support the weight of the TV. Secure the wall mount to a wall that can support the combined weight of the TV and wall mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that results in accident, injury or damage.

Risk of injury to children!

Follow these precautions to prevent the TV from toppling over and causing injury to children:

- Never place the TV on a surface covered by a cloth or other material that can be pulled away.
- Ensure that no part of the TV hangs over the edge of the surface.
- Never place the TV on tall furniture (such as a bookcase) without anchoring both the furniture and TV to the wall or a suitable support.
- Educate children about the dangers of climbing on furniture to reach the TV.

Risk of overheating!

Never install the TV in a confined space. Always leave a space of at least 4 inches or 10 cm around the TV for ventilation. Ensure curtains or other objects never cover the ventilation slots on the TV.

Risk of damage to the TV!

Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.

Risk of injury, fire or power cord damage!

- Never place the TV or any objects on the power cord.
- To easily disconnect the TV power cord from the power outlet, ensure that you have full access to the power cord at all times.

- When you disconnect the power cord, always pull the plug, never the cable.
- Disconnect the TV from the power outlet and antenna before lightning storms. During lightning storms, never touch any part of the TV, power cord or antenna cable.

Risk of hearing damage!

Avoid using earphones or headphones at high volumes or for prolonged periods of time.

Low temperatures

If the TV is transported in temperatures below 5°C, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.

Screen care

- Avoid stationary images as much as possible. Stationary images are images that remain on-screen for extended periods of time. Examples include: on-screen menus, black bars and time displays. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.
- Unplug the TV before cleaning.
- Clean the TV and frame with a soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the TV.
- Risk of damage to the TV screen! Never touch, push, rub or strike the screen with any object.
- To avoid deformations and color fading, wipe off water drops as soon as possible.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste.

Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.

Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

Disposal of your old product and batteries



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

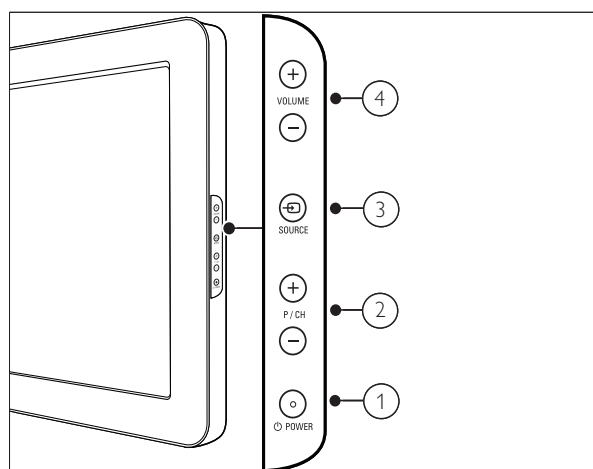
3 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Product overview

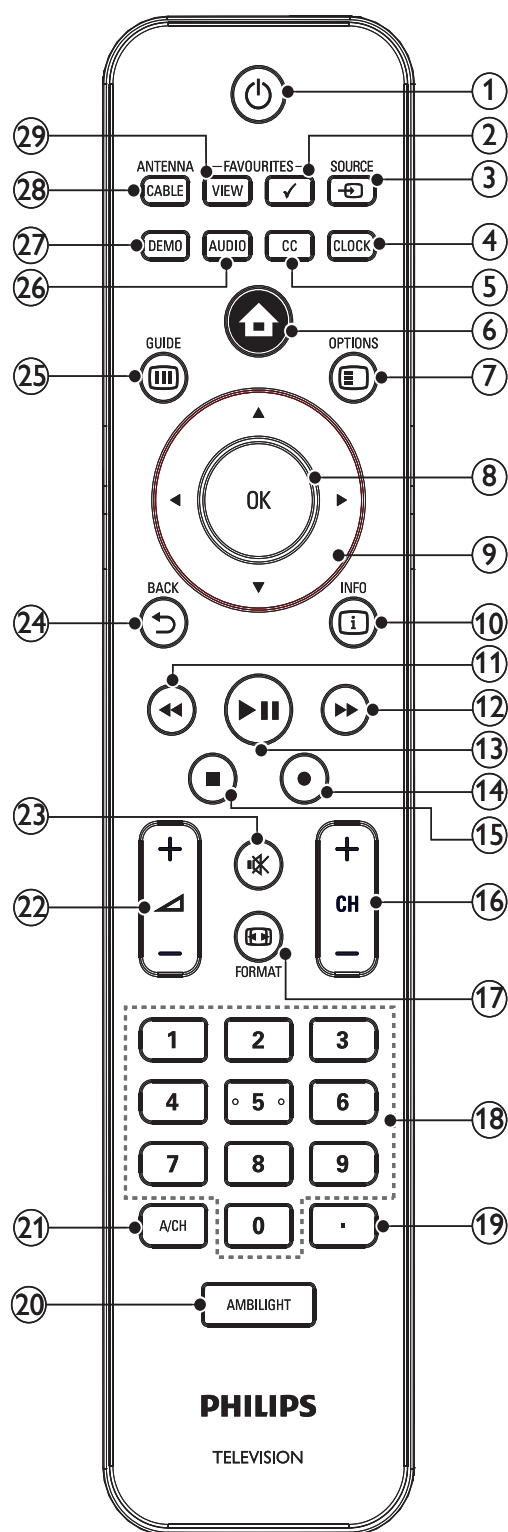
This section gives you an overview of commonly used controls and functions.

Side controls



- ① **POWER**: Switches the product on or off. The product is not powered off completely unless it is physically unplugged.
- ② **P/CH +/-**: Switches to the next or previous channel.
- ③ **SOURCE**: Selects connected devices.
- ④ **VOLUME +/-**: Increases or decreases volume.

Remote control



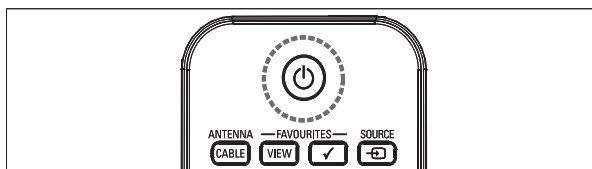
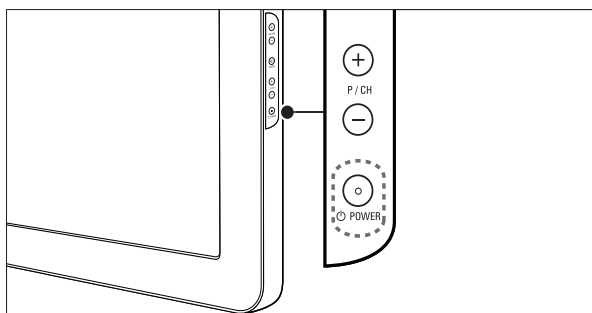
- ① **(Standby-On)**
 - Switches the TV to standby if it is on.
 - Switches on the TV if it is in standby.

- ② **✓FAVOURITES**
Mark a channel as favorite.
- ③ **☑ SOURCE**
Selects connected devices.
- ④ **CLOCK**
Displays the clock.
- ⑤ **CC**
Displays closed captions settings.
- ⑥ **🏠 (Home)**
Toggles the home menu on or off.
- ⑦ **☰ OPTIONS**
Accesses options relating to the current activity or selection.
- ⑧ **OK**
Confirms an entry or selection.
- ⑨ **▲▼◀▶ (Navigation buttons)**
Navigates through the menus.
- ⑩ **i INFO**
Displays program information, if available.
- ⑪ **◀◀ (Backward)**
Searches backward.
- ⑫ **▶▶ (Forward)**
Searches forward.
- ⑬ **▶|| (Play/Pause)**
Starts, pauses or resumes playback.
- ⑭ **● (Record)**
Starts or stops video recording.
- ⑮ **■ (Stop)**
Stops playback.
- ⑯ **CH +/- (Channel +/-)**
Switches to the next or previous channel.
- ⑰ **🖼️ FORMAT**
Selects a picture format.
- ⑱ **0-9 (Numeric buttons)**
Selects a channel or setting.
- ⑲ **(.) Dot button**
Press the dot (.) for digital channels.
- ⑳ **Note used.**
- ㉑ **A/CH (Alternate channel)**
Toggles between the current channel and the last viewed channel.
- ㉒ **📶 +/- (Volume +/-)**
Increases or decreases volume.
- ㉓ **🔇 (Mute)**
Mutes or restores audio output.
- ㉔ **↶ BACK**
Returns to a previous channel or menu screen.
- ㉕ **📖 GUIDE**
Accesses or exits the Electronic Program Guide (EPG).
- ㉖ **AUDIO**
Selects an audio broadcast.
- ㉗ **DEMO**
Toggles the demonstration menu on or off.
- ㉘ **ANTENNA/CABLE**
Toggles between antenna and cable.
- ㉙ **FAVOURITES VIEW**
Displays a list of all channels marked as favorite.

4 Use your product

This section helps you perform basic operations (see 'Use more of your product' on page 9).

Switch your TV on/off or to standby



To switch on

- If the standby indicator is off, press **POWER** at the side of the TV.
- If the standby indicator is red, press **Standby-On** on the remote control.

To switch to standby

- Press **Standby-On** on the remote control.
↳ The standby indicator switches to red.

To switch off

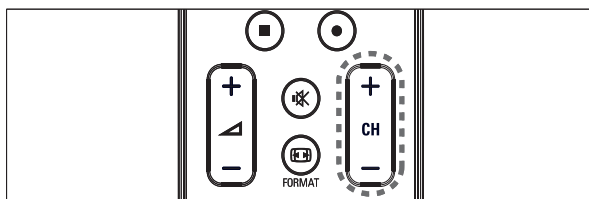
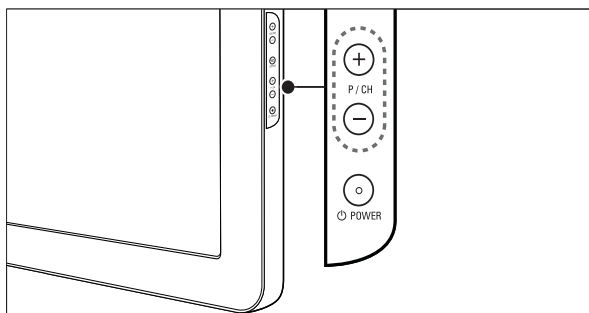
- Press **POWER** at the side of the TV.
↳ The standby indicator switches off.



Tip

- Though your TV consumes very little power when in standby, energy continues to be consumed. When not in use for an extended period of time, disconnect the TV power cable from the power outlet.

Switch channels



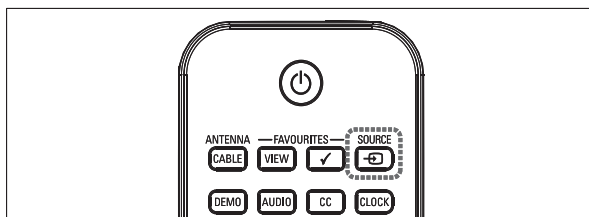
- Press **BACK A/CH** on the remote control to return to the previously viewed channel.
- Press **CH +/-** on the remote control or **P/CH +/-** on the side of the TV.
- Press **OK** to use the channel matrix.
- Enter a channel number using the **Numeric buttons**.

Note

- When you use a favorite list, you can only select those channels in the .

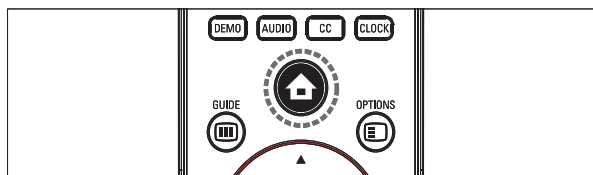
Watch connected devices

Use the source button





- 1 Press **SOURCE**.
↳ The source list appears.
- 2 Press **▲** or **▼** to select the connected device.
- 3 Press **OK** to watch the connected device.

Use the home menu

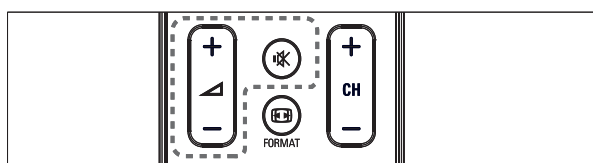
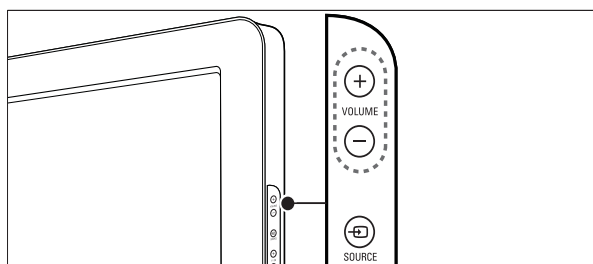


Note


- You can add new devices to the home menu for easy access.

- 1 Press  (Home).
↳ The home menu appears.
- 2 Press  to select the device.
- 3 Press **OK** to watch the connected device on your TV.



Adjust TV volume



To increase or decrease volume

- Press .
- Press **VOLUME +/-** on the side of the TV.

To mute or unmute sound

- Press  to mute the sound.
- Press  again to restore the sound.

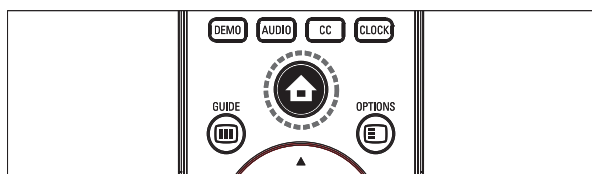
5 Use more of your product

Access TV menus

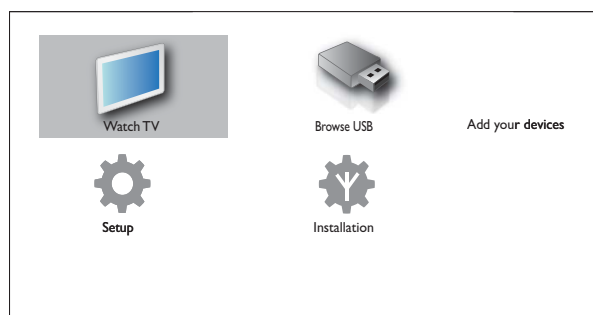
Menus help you to install channels, change picture and sound settings and access other features.

Access the home menu

The home menu gives you easy access to connected devices, picture and sound settings as well as other useful features.



- 1 Press **⬆** (Home).
↳ The menu screen appears.



- 2 Press the **▲▼◀▶** to select and navigate through one of the following menus.
 - **[Watch TV]** Switches back to the antenna source if another source is selected.
 - **[Setup]** Accesses menus that allow you to change picture, sound and other TV settings.
 - **[Add your devices]** Adds new devices to the home menu.

- **[Installation]** Accesses the channel installation, clock, and child lock menus.
- **[Browse USB]** Accesses flash drives.

- 3 Press **OK** to confirm your choice.
- 4 Press **⬆** (Home) to exit.



Tip

- After selecting **[Add your devices]**, follow the on-screen instructions to select the correct device and connector.

Remove devices from the home menu

If a device is no longer connected to the TV, remove it from the home menu.

- 1 Press **⬆** (Home).
- 2 Press **▲▼◀▶** to select a device to remove.
- 3 Press **⌂** **OPTIONS**.
- 4 Select **[Remove this device]**.
- 5 Press **OK**.

Change picture and sound settings

Change picture and sound settings to suit your preferences. You can apply pre-defined settings or change settings manually.

Use smart picture

Use smart picture to apply pre-defined settings.

- 1 Press **⬆** (Home).
- 2 Press **▲▼◀▶** to select **[Setup]** > **[Smart settings]**.
- 3 Press **▲▼** to select one of the following smart settings.
 - **[Personal]** Applies settings that were customized in the picture and sound menu.

- **[Vivid]** Maximizes picture and sound settings.
- **[Standard]** Adjusts picture and sound settings to suit most environments and types of video.
- **[Movie]** Applies picture and sound settings ideally suited for movie viewing.
- **[Game]** Applies picture and sound settings maximized for fast-moving games.
- **[Energy saving]** Applies low-energy picture and sound settings.

4 Press **OK** to confirm your choice.

Use settings assistant

Use the settings assistant to guide you through the best picture settings.

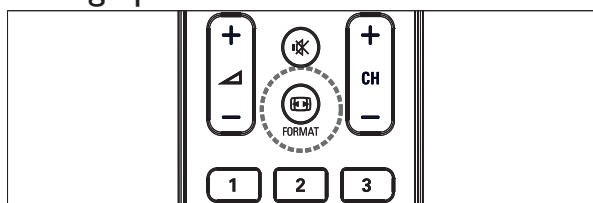
- 1** Press **⬆** (**Home**).
- 2** Press **▲▼◀▶** to select **[Setup] > [Picture]** > **[Settings assistant]**.
- 3** Press **OK**.
 ↳ The **[Settings assistant]** menu appears. Follow the on-screen instructions to choose your preferred picture settings.

Manually adjust picture settings

- 1** Press **⬆** (**Home**).
- 2** Press **▲▼◀▶** to select **[Setup] > [Picture]**.
- 3** Press **▲▼◀▶** to select from the following settings and adjust:
 - **[Contrast]** : Adjusts the intensity of bright areas, keeping dark areas unchanged.
 - **[Brightness]** : Adjusts the intensity and details of dark areas.
 - **[Colour]** : Adjusts color saturation.
 - **[Tint]** : Compensates color variations in NTSC encoded transmissions.
 - **[Sharpness]** : Adjusts the level of sharpness in image details.
 - **[Noise reduction]** : Filters and reduces noise in an image.

- **[Color Temp]** : Adjusts the color balance in an image.
- **[Custom tint]** : Creates a customized tint setting.
- **[Pixel Plus HD]/[Pixel Precise HD]** : Fine tunes each pixel to match surrounding pixels. This produces a brilliant, high-definition image.
- **[HD Natural Motion]** : Reduces the field and line flicker and reproduces smooth movement especially in movies.
- **[120Hz Clear LCD]** : Not available in all models. Sets the TV refresh rate to a maximum of 100Hz to provide superior motion sharpness, better black level, high contrast with a flicker free, quiet image and a larger viewing angle.
- **[Advanced sharpness]** : Enables superior sharpness, especially on lines and contours in the picture.
- **[Dynamic contrast]** : Automatically enhances contrast in an image.
- **[Dynamic backlight]** : Adjusts the brightness of the TV backlight to match lighting conditions.
- **[MPEG artefact reduction]** : Smooths out transitions on digital pictures. You can switch this feature on or off.
- **[Colour enhancement]** : Makes colors more vivid and improves the resolution of details in bright colors. You can switch this feature on or off.
- **[Auto format mode]** : Sets the picture format to automatically fill or automatically zoom into the screen.
- **[PC mode]** : Adjusts picture settings when a PC is connected to the TV.
- **[Light sensor]** : Dynamically adjusts picture settings to match lighting conditions.
- **[Picture format]** : Changes the picture format.
- **[Picture shift]** : Adjusts the position of the picture.

Change picture format



- 1 Press **FORMAT**.
↳ A picture format bar appears.
- 2 Press **▲▼** to select a picture format.
↳ The selected picture format is activated.
- 3 Press **OK** to confirm your choice.

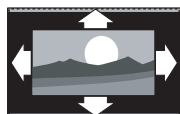
Summary of picture formats

The following picture settings can be configured.

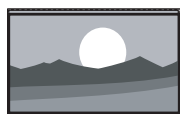


Note

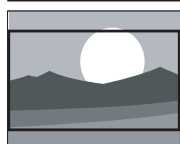
- Depending on the format of the picture source, some picture settings are not available.



[Auto format] (Not for PC mode.) Enlarges the picture automatically to best fit the screen. The subtitles remain visible.



[Super zoom] (Not for HD and PC mode.) Removes the black bars on the side of 4:3 broadcasts. There is minimal distortion.



[Movie expand 16:9] (Not for HD and PC mode.) Scales 4:3 format to 16:9.



[Wide screen] Stretches the classic 4:3 format to 16:9.

Adjust sound settings

- 1 Press **Home**.
- 2 Press **▲▼◀▶** to select **[Setup] > [Sound]**.
- 3 Press **▲▼◀▶** to select and adjust:
 - [Bass]** : Adjusts the bass level.
 - [Treble]** : Adjusts the treble level.
 - [Volume]** : Adjusts the volume.
 - [Audio language]** : (Digital channels only). Selects between audio languages when multiple languages are broadcast.
 - [Alternate audio]** : Selects alternate audio.
 - [Mono/Stereo]** : Selects between mono or stereo if stereo is broadcast.
 - [TV speakers]** : Turns on or off TV speakers. If **[Automatic (EasyLink)]** is selected, the TV speakers are switched off when content from an EasyLink-compliant home theater system is detected.
 - [Surround]** : Enables spatial sound.
 - [Headphones volume]** : Adjusts headphone volume.
 - [Delta volume]** : Corrects volume differences between TV channels and connected devices (switch to your connected device when adjusting **[Delta volume]**).
 - [Balance]** : Adjusts the balance of the right and left speakers to best suit your listening position.
 - [Auto volume leveling]** : Automatically reduces sudden volume changes, for example, when switching channels. When enabled, this produces a more consistent audio volume.

Create and use lists of favorite channels

You can create lists of your preferred TV channels so that you can find those channels easily.

Note

- Digital radio stations can also be added to favorite lists, if supported.

Press **FAVOURITES VIEW** to view the favorites list.

Add a channel to a favorite list

Tip

- View all channels before adding a channel to a favorite list.

- 1 When watching TV, press **OK** to display the channel grid.
- 2 Press **▲▼◀▶** to select the channel to be added to the favorites list.
- 3 Press **✓FAVOURITES**.
↳ The channel is added to the favorites list.

Remove a channel from a favorite list

Note

- Select the favorite list to edit, before removing a channel.

- 1 When watching TV, press **OK** to display the channel grid.
- 2 Press **▲▼◀▶** to choose the channel that you wish to remove from the favorites list.
- 3 Press **☰OPTIONS**.
- 4 Press **▲▼** to select **[Unmark as favourite]**.
- 5 Press **OK**.
↳ The channel is removed from the favorites list.

Hide and show a channel

- 1 When watching TV, press **OK** to display the channel grid.
- 2 Press **▲▼◀▶** to choose the channel that you wish to hide.
- 3 Press **☰OPTIONS**.
- 4 Press **▲▼** to select **[Hide channel]**.
- 5 Press **OK**.
↳ The channel is now hidden.

Select **[Show hidden channels]** to show the channel in the channel grid.

Use the Electronic Program Guide

EPG is an on-screen guide available for digital channels. EPG allows you to:

- View a list of digital programs being broadcast
- View upcoming programs
- Group programs by genre
- Set reminders when programs start
- Setup preferred EPG channels

Switch on EPG

- 1 When watching TV, press **☰GUIDE**.
↳ The EPG planner screen appears displaying information about the scheduled programs.

Note

- EPG data is available only in selected countries and can take some time to load.

Tip

- Press **☰GUIDE** to switch between EPG and channel grid.

Use EPG

- 1 When watching TV, press **GUIDE**.
↳ The EPG planner screen appears.
- 2 Press **Home**.
↳ The program guide menu appears.
- 3 Press **▲▼◀▶** to select an option, and then press **OK** to confirm it.
- 4 Press **Home** to exit the EPG menu.

Note

- Only the channels marked with [x] in the [Pref. EPG channel] list, appear in the EPG menu.

Use timers

You can set timers to switch the TV on or switch to standby at a specified time.

Automatically switch the TV to standby (sleep timer)

Sleep timer switches the TV to standby after a pre-defined period of time.

Tip

- You can always switch off your TV earlier or reset the sleep timer during the countdown.

- 1 Press **Home**.
- 2 Press **▲▼◀▶** to select [Setup] > [Features] > [Sleeptimer].
- 3 Press **▲▼** to set the sleep time.
↳ The sleeptimer can be up to 180 minutes in steps of five minutes. If set to zero minutes, the sleeptimer is switched off.
- 4 Press **OK** to activate the sleeptimer.
↳ The TV switches to standby after the pre-defined period of time.

Use child control and rating locks

You can prevent your children from watching certain programs or certain channels by locking the TV controls and by using ratings.

Set or change your PIN code

- 1 Press **Home**.
- 2 Press **▲▼◀▶** to select [Installation] > [Child lock] > [Change code].
- 3 Enter the code with the **Numeric buttons**.
↳ A message appears confirming that your code is created or changed.

Tip

- If you forget your code, enter '8888' to override any existing codes.

Use age ratings lock

- 1 Press **Home**.
- 2 Press **▲▼◀▶** to select [Installation] > [Child lock] > [Age ratings lock].
- 3 Press **▶**.
- 4 Key in your PIN code.
- 5 Select an age group from the list.

Use content ratings lock

- 1 Press **Home**.
- 2 Press **▲▼◀▶** to select [Installation] > [Child lock] > [Content ratings lock].
- 3 Press **▶**.
- 4 Key in your PIN code.
- 5 Select a content classification from the list.

Use the TV clock

You can display a clock on the TV screen. The clock displays the current time using time data received from your TV service operator. When watching TV, press **CLOCK**.

↳ The clock is displayed.

Change the clock mode

- 1 Press **⬆** (Home).
- 2 Press **⬆** to select **[Installation]** > **[Clock]** > **[Auto clock mode]**.
- 3 Select **[Automatic]** or **[Manual]**.

Change the time zone

- 1 Press **⬆** (Home).
- 2 Press **⬆** to select **[Installation]** > **[Clock]** > **[Time zone]**.
- 3 Select an increment value.

Set the date

- 1 Press **⬆** (Home).
- 2 Press **⬆** to select **[Installation]** > **[Clock]** > **[Date]**.
- 3 Use the numeric buttons to enter the date.
- 4 Select **[Done]**.
- 5 Press **OK**.

Set the time

- 1 Press **⬆** (Home).
- 2 Press **⬆** to select **[Installation]** > **[Clock]** > **[Time]**.
- 3 Use the numeric buttons to enter the date.
- 4 Select **[Done]**.
- 5 Press **OK**.

View photos, play music and watch video from a USB storage device

Your TV is fitted with a USB connector that enables you to view photos, listen to music or watch movies stored on a USB storage device.

Supported file formats

Pictures	JPEG (non-progressive only)
Music	MP3
Video	MP4, M4V

Note

- Philips is not responsible if the USB storage device is not supported nor is it responsible for damage or loss of data from the device.
- Only FAT or DOS-formatted USB storage devices are supported. File names must not exceed 128 characters.
- Your TV only supports USB flash drives in FAT/FAT32 format. It does not support other devices that can be connected to the USB port including but not limited to the following: portable storage devices such as external hard drives and mini hard drives, MP3 player, digital camera, phone, portable video player, portable multimedia player.
- The capacity of the USB storage device must not exceed 32 gigabytes.
- The file size of all supported formats must not exceed 4 gigabytes.

- 1 Connect a USB storage device to the USB port on the side of the TV.
- 2 Select **[Browse USB]**.
- 3 Press **⬆** to navigate through the folder hierarchy on the USB storage device.
- 4 Select a file and press **OK**.
- 5 Use **⏮**, **⏪**, **⏩**, or **⏭** to control play.

Note

- Press **⏸** **OPTIONS** to display options for viewing photos, playing music, and watching videos.

Update the TV software

Philips continuously tries to improve its products and we recommend that you update the TV software when updates are available. Check www.philips.com/support for availability.

Download the software

- 1 On your PC, open a web browser and go to www.philips.com/support.
- 2 Find information and software related to your TV and download the latest software upgrade file to your PC.
- 3 Decompress the ZIP-file.
- 4 Copy the `autorun.upg` file to the root directory of the USB device.

Update software

Before performing this procedure be sure to:

- Set aside some time to complete the entire update.
- Have available a USB storage device with at least 64MB of storage space.
- Have access to a computer with a USB port and internet access.

- 1 Press **Home**.
- 2 Select **[Setup] > [Software update]**.
- 3 Connect the USB storage device to your computer.
- 4 Follow the on-screen instructions to complete the update.

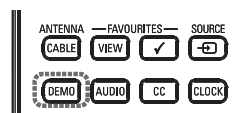
Change TV preferences

- 1 Press **Home**.
- 2 Select **[Setup] > [Configuration] > [Preferences]**.
 - **[Location]** : Optimizes TV settings for your location - home or shop.
 - **[Volume bar]** : Displays the volume bar when adjusting the volume.

- **[Channel information size]** : Displays information about the TV channel every time you switch channels.
- **[EasyLink]** : Enables one-touch play and one-touch standby between EasyLink-compliant devices.
- **[EasyLink Remote Control]** : When EasyLink is enabled, allows remote control key forwarding.
- **[Pixel Plus link]** : Overrides the settings of connected devices and uses the settings of the TV.

Start a TV demo

You can use demonstrations to better understand the features of your TV. Some demos are not available on certain models. When a demo is available, it is displayed in the menu list.



- 1 Press **DEMO** on the remote control.
- 2 Press **▲▼** to select a demo and press **OK** to view it.
- 3 Press **DEMO** to exit.

Reset the TV to factory settings

You can restore the default picture and sound settings of your TV. Channel installation settings remain the same.

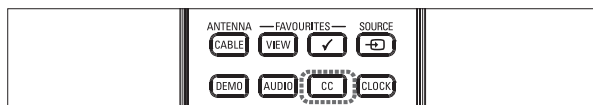
- 1 Press **Home**.
- 2 Select **[Setup] > [Configuration] > [Factory reset]**.
- 3 Press **OK**.


Display closed captions

Closed captioning displays the audio portion of a television program as text on the television screen.

Note

- Check with your TV network for closed captioning availability.



- 1 When watching TV, press **CC**.
- 2 Press  **OPTIONS** to display the type of closed captioning channels.
- 2 Select a type from the list.
- 3 Press **OK**.

6 Install channels

The first time you setup your TV, you are prompted to select a menu language and to install TV and digital radio channels (if available). This chapter provides instructions on how to re-install and fine tune channels.

Automatically install channels

This section describes how to search and store channels automatically.

- 1 Press **⬆** (Home).
- 2 Select **[Installation] > [Channel installation] > [Automatic installation]**.
- 3 Select **[Start]** and press **OK**.
- 4 Follow the on-screen instructions to install channels.

Rename channels

Channels can be renamed so that a name of your choice appears whenever the channel is selected.

- 1 When watching TV, press **OK** to display the channel grid .
- 2 Select the channel you want to rename.
- 3 Press **⏻** **OPTIONS**.
↳ The channel options menu appears.
- 4 Press **⬆⬇⬅** to select and enter **[Rename]**.
↳ A text input box appears.
- 5 Press **⬆⬇⬅** to select characters.
- 6 Select **[Done]** and press **OK**.

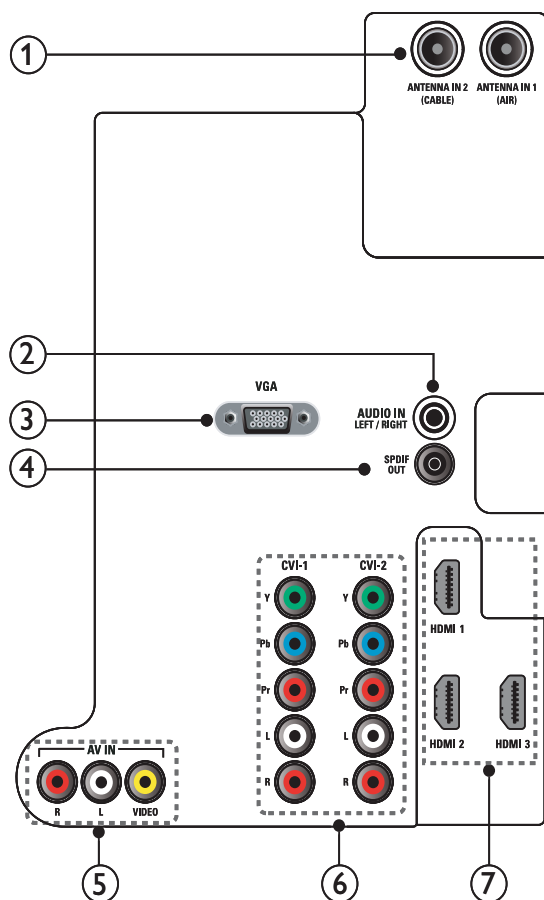
7 Connect devices

This section describes how to connect various devices with different connectors and supplements examples provided in the Quick Start.

Note

- Different types of connectors may be used to connect a device to your TV, depending on availability and your needs.

Back connectors



① TV ANTENNA

Signal input from an antenna, cable or satellite.

② AUDIO IN L/R

Audio input from devices that require a separate audio connection, such as a computer.

③ VGA

Video input from a computer.

④ SPDIF OUT

Digital audio output to home theaters and other digital audio systems.

⑤ AV IN (VIDEO IN and AUDIO IN L/R)

Analog audio and video input from analog or digital devices such as DVD players, satellite receivers and VCRs.

⑥ CVI 1/2 (Y Pb Pr and AUDIO L/R)

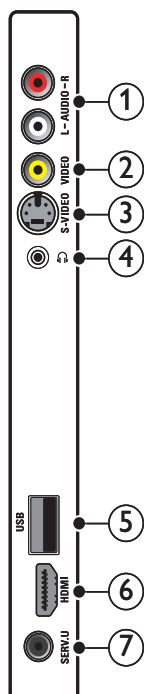
Analog audio and video input from analog or digital devices such as DVD players or game consoles.

⑦ HDMI 1/2/3*

Digital audio and video input from high-definition digital devices such as Blu-ray players.

* HDMI 3: Available in selected models.

Side connectors



① AUDIO IN L/R

Audio input from analog devices connected to **VIDEO** or **S-VIDEO**.

② VIDEO

Composite video input from analog devices such as VCRs.

③ S-VIDEO

Video input from analog devices such as satellite receivers. When you use this connector, do not use connector for video signals.

④

Stereo audio output to headphones or earphones.

⑤ USB

Data input from USB storage devices.

⑥ HDMI

Digital audio and video input from high-definition digital devices such as Blu-ray players.

⑦ SERV. U

For use by service personnel only.

Connect a computer

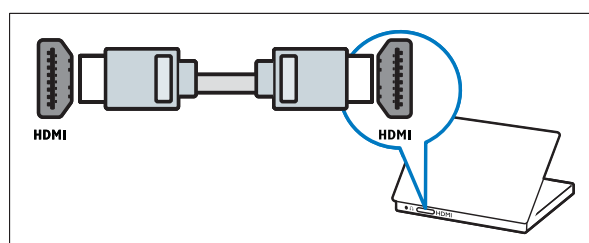
Before you connect a computer to the TV

- Set the monitor refresh rate on your computer to 60Hz.

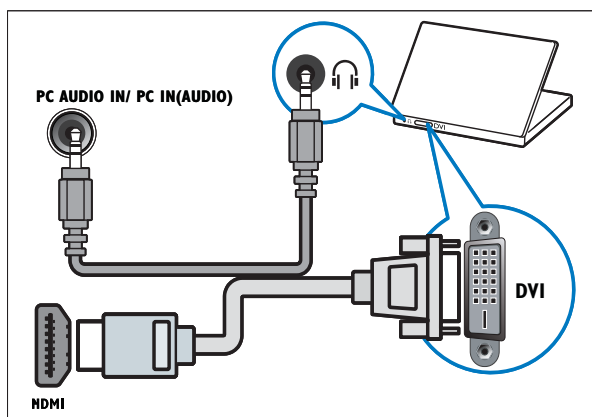
Connect a computer with one of the following connectors:

Note

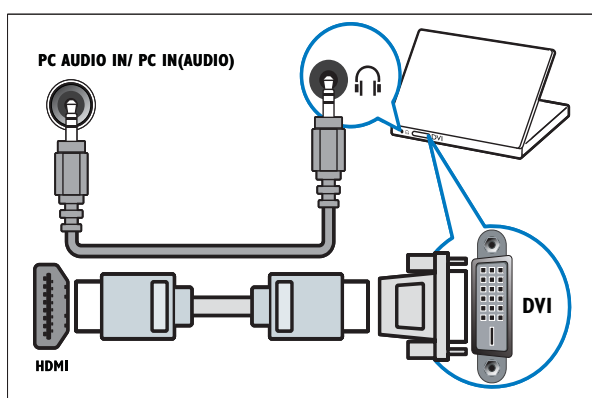
- Connections via DVI or VGA require an additional audio cable.
- **HDMI cable**



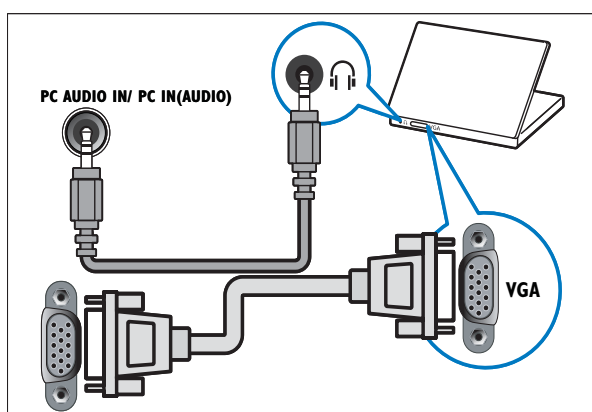
- DVI-HDMI cable



- HDMI cable and HDMI-DVI adaptor



- VGA cable



Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

Note

- The EasyLink-compliant device must be switched on and selected as the source.

EasyLink features

One-touch play

When you connect your product to devices that support one-touch play, you can control your product and the devices with one remote control. For example, when you press Play on your DVD remote control, your TV automatically switches to the correct channel to show the DVD content.

One-touch standby

When you connect your TV to devices that support standby, you can use your TV remote control to put your TV and all connected HDMI devices in standby mode.

System audio control

When you connect your TV to HDMI CEC compliant devices, your TV can switch automatically to play audio from the connected device.

Use Philips EasyLink

Your TV supports Philips EasyLink, which uses the HDMI CEC (Consumer Electronics Control) protocol. EasyLink-compliant devices that are connected through HDMI connectors can be controlled by a single remote control.

To use one-touch audio, you must map the audio input from the connected device to your TV.

You can use the remote control from the connected device to adjust the volume.

Remote control (RC) key forwarding

RC key forwarding allows you to control EasyLink-compliant devices using your TV remote control.

EasyLink buttons

You can control EasyLink-compliant devices with the following buttons on the remote control of your TV.

Button	EasyLink function
▶ (Play/Pause)	Starts, pauses or resumes playback on your EasyLink device.
■ (Stop)	Stops playback on your EasyLink device.
● (Record)	Starts or stops video recording on your EasyLink device.
◀◀ (Fast Backward)	Searches backward.
▶▶ (Fast Forward)	Searches forward.
0-9 (Numeric buttons)	When EasyLink is enabled, selects a title, chapter or track.
▲▼◀▶	Navigates through the menus of the EasyLink-compliant device.
OK	Activates a selection or accesses the menu of the EasyLink-compliant device.
☰ OPTIONS	Displays the menus of the EasyLink-compliant device. Note that when Home is pressed, the TV menu is displayed.
⏻ (Standby-On)	When EasyLink is enabled, switches the TV and all EasyLink devices to standby. Note that you must press and hold Standby-On for at least 3 seconds for this to occur.



Tip

- Press **TV** to switch back to the antenna source from EasyLink mode.

Enable or disable EasyLink



Note

- Do not enable Philips EasyLink if you do not intend to use it.

- 1 Press **Home**.
- 2 Press **▲▼◀▶** to select **[Setup] > [Configuration] > [Preferences] > [EasyLink]**.
- 3 Select **[On]** or **[Off]**.

Enable or disable remote control key forwarding

- 1 Press **Home**.
- 2 Press **▲▼◀▶** to select **[Setup] > [Configuration] > [Preferences] > [EasyLink Remote Control]**.
- 3 Select **[On]** or **[Off]**.

Set TV speakers to EasyLink mode

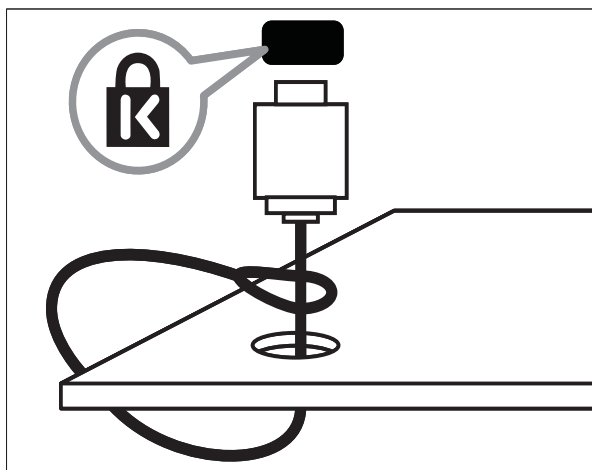
When enabled, this feature automatically turns off TV speakers when content from an EasyLink-compliant home theater system is played. Audio is played only from the home theater system's speakers.

- 1 Press **Home**.

- 2 Press ▲▼◀▶ to select [Setup] > [Sound] > [TV speakers].
- 3 Select [Automatic (EasyLink)].
↳ TV speakers are set to EasyLink mode.

Use a Kensington lock

There is a Kensington security slot at the back of the TV. Prevent theft by looping a Kensington lock between the slot and a permanent object, such as a heavy table.



8 Product information

Product information is subject to change without notice. For detailed product information, go to www.philips.com/support.

Supported display resolutions

Computer formats
HDMI:

Resolution	Refresh rate (Hz)
640 × 480	60, 72, 75
720 × 400	70
800 × 600	60, 72, 75
1024 × 768	60, 70, 75
1280 × 768	60
1360 × 768	60
1600 × 1200	60
1920 × 1080	50, 60

VGA:

Resolution	Refresh rate (Hz)
640 × 480	60, 72, 75, 85
720 × 400	70, 85
800 × 600	60, 72, 75, 85
1024 × 768	60, 70, 75, 85
1280 × 768	60
1280 × 1024	60
1360 × 768	60

Video formats

Resolution	Refresh rate (Hz)
640 × 480p	60
720 (1440) × 480i	60
720 (1440) × 576i	50
720 × 480p	60
720 × 576p	50
1280 × 720p	50, 60
1920 × 1080i	50, 60
1920 × 1080p	24, 25, 30, 50, 60

Tuner/Reception/ Transmission/Video playback

- Antenna input: 75ohm coaxial (IEC75)
- TV system: PAL M, PAL N, NTSC M, ISBD-T
- Video playback: NTSC, Secam, PAL

Multimedia

- Connection: USB
- Playback formats: MP4, M4V, JPEG, MP3

Container	Video Codec	Audio Codec	File extension
AVI	MPEG 4 SP, MPEG 4 ASP, MP4S, MP4V	MPEG Layer 2/3, AC3	.avi
mpeg	MPEG-1	MPEG 1 Layer 2	.mpg, .mpe, .mpeg, .vob, .dat
mpeg4	MPEG-4 AVC (h264, L2-CIF), MPEG-4 AVC (h264, L4-HD)	AAC-LC	.m4v, .mp4, .mov

Remote control

- Batteries: 2 × AAA (R03 type)

Connections

- Headphone out (stereo mini-jack)
- TV antenna
- S-Video
- 2 CVBS in
- 2 YPbPr: Component video (CVI in)
- VGA in
- HDMI: 3 (5000 Series), 4 (7000 Series)
- SPDIF out

- VGA Audio in
- USB
- Service connector

Power

- Mains power: AC 110-240 (50-60Hz)
- Standby power: < 0.15W
- Ambient temperature: 5 to 35 degrees Celsius

Supported TV mounts

To mount the TV, purchase a Philips TV mount or a VESA-compatible TV mount. To prevent damage to cables and connectors, be sure to leave a clearance of at least 2.2 inches or 5.5cm from the back of the TV.



Warning

- Follow all instructions provided with the TV mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper TV mounting that results in accident, injury or damage.

TV screen size	VESA-compatible wall bracket type	
32"-37"	200 × 200 mm	M6
42"	400 × 400 mm	M6
47"-52"	400 × 400 mm	M8

9 Troubleshooting

This section describes commonly encountered issues and accompanying solutions.

General TV issues

The TV does not switch on:

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it.
- Check that the power cable is securely connected.

The remote control is not working properly:

- Check that the remote control batteries are correctly inserted according to the +/- orientation.
- Replace the remote control batteries if they are flat or weak.
- Clean the remote control and TV sensor lens.

The standby light on the TV blinks red:

- Disconnect the power cable from the power outlet. Wait until the TV cools down before reconnecting the power cable. If the blinking reoccurs, contact Philips Consumer Care.

You forgot the code to unlock the child lock feature

- Enter '8888'.

The TV menu is in the wrong language

- Change the TV menu to your preferred language.

When turning the TV on/off/to standby, you hear a creaking sound from the TV chassis:

- No action is required. The creaking sound is normal expansion and contraction of the TV as it cools and warms up. This does not impact performance.

TV channel issues

Previously installed channels do not appear in the channel list:

- Check that the correct channel list is selected.

No digital channels were found during the installation:

- Ensure that you have a digital TV subscription. Contact your digital TV service provider.

Picture issues

The TV is on, but there is no picture:

- Check that the antenna is properly connected to the TV.
- Check that the correct device is selected as the TV source.

There is sound but no picture:

- Check that the picture settings are correctly set.

There is poor TV reception from an antenna connection:

- Check that the antenna is properly connected to the TV.
- Loud speakers, unearthed audio devices, neon lights, high buildings and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- If reception on only one channel is poor, fine tune this channel.

There is poor picture quality from connected devices:

- Check that the devices are connected properly.
- Check that the picture settings are correctly set.

The TV did not save your picture settings:

- Check that the TV location is set to the home setting. This mode offers you the flexibility to change and save settings.

The picture does not fit the screen; it is too big or too small:

- Try using a different picture format.

The picture position is incorrect:

- Picture signals from some devices may not fit the screen correctly. Check the signal output of the device.

Sound issues

There is picture but no sound from the TV:



Note

- If no audio signal is detected, the TV automatically switches the audio output off — this does not indicate malfunction.

- Check that all cables are properly connected.
- Check that the volume is not set to 0.
- Check that the sound is not muted.

There is picture but sound quality is poor:

- Check that the sound settings are correctly set.

There is picture but sound comes from one speaker only:

- Verify that sound balance is set to the center.

HDMI connection issues

There are problems with HDMI devices:

- Note that HDCP support can delay the time taken for a TV to display content from a HDMI device.
- If the TV does not recognize the HDMI device and no picture is displayed, try switching the source from one device to another and back again.
- If there are intermittent sound disruptions, check that output settings from the HDMI device are correct.
- If a HDMI-to-DVI adaptor or HDMI to DVI cable is used, check that an additional

audio cable is connected to **AUDIO L/R** or **AUDIO IN** (mini-jack only).

Computer connection issues

The computer display on the TV is not stable:

- Check that a supported resolution and refresh rate is selected on the computer.
- Set the TV picture format to unscaled.

Contact us

If you cannot resolve your problem, refer to the FAQs for this TV at www.philips.com/support.

If the problem remains unresolved, contact Philips Consumer Care in your country as listed in this user manual.



Warning

- Do not attempt to repair the TV yourself. This may cause severe injury, irreparable damage to your TV or void your warranty.



Note

- Make a note of your TV model and serial number before you contact Philips. These numbers are printed on the back of the TV and on the packaging.

10 Index

B

batteries	23, 25
bracket	24

C

Channel list	
troubleshooting	25
update	12
channels	
install	
automatic	17
rename	17
clock	14
computer format	
technical specifications	23
connections	
HDMI	
troubleshooting	26
mains cord	18
technical specifications	23
troubleshooting	26

D

demo	15
display	
resolution	23

E

EasyLink	
disable	21
enable	21
environmental care	4

F

factory settings	15
------------------	----

H

HDMI cable	
troubleshooting	26

I

install channels	
automatic	17

K

Kensington lock	22
------------------------	----

L

language	
troubleshooting	25
location	15
lock	
Kensington	22
TV	13

M

menu	
child lock	13
language	25
main menu	9
troubleshooting	25
Multimedia	
technical specifications	23

P

Personal Identification Number or PIN	
code	25
picture format	
troubleshooting	25
Picture settings	9
Power	25

R

reception	25
remote control	
technical specifications	23
troubleshooting	25

S

safety	3
sleep timer	13
sound settings	11
standby	
troubleshooting	25

T	
technical specifications	23
timer	
sleep timer	13
standby	13
transmission	
troubleshooting	25
troubleshooting	25
TV	
adjust volume	8
menu	9
screen care	4
software	15
standby	7
switch channels	7
switch off	7
switch on	7
troubleshooting	25
tuner technical specifications	23
wall mount	3, 24
TV lock	
PIN code	25

V	
Video format	
video format technical specifications	23
volume	
adjust	8

